WHAT IS CLAIMED IS:

1. A network camera integrated with a camera module, comprising:

a first moving picture encoder for displaying a real-time moving picture; and

a second moving picture encoder for recording, wherein the first and second moving picture encoders compress a digital image captured by the camera module at different picture qualities and rates (the number of frames per second), separately from each other, and transmit the separately compressed images to a network.

2. The network camera as claimed in claim 1, wherein the network camera has two video decoders respectively connected to the first and second moving picture encoders to convert an analog video signal into digital video data with different resolutions such that the first and second moving picture encoders can respectively set resolutions as well as picture qualities and rates, separately from each other.

3. A network camera separated from a camera module, comprising:

a first moving picture encoder for displaying a real-time moving picture; and

a second moving picture encoder for recording,

wherein the network camera converts an analog video signal received from a separate video camera through a cable into digital video data using a video decoder and multiplexes the converted digital video data to respectively apply the multiplexed data to the first and second moving picture encoders, which in turn compress the digital video data at different picture qualities and rates (the number of frames per second), separately from each other, and transmit them to a network.

4. The network camera as claimed in claim 3, wherein the network camera has two video decoders respectively connected to the first and second moving picture encoders to convert an analog video signal into digital video data with different resolutions such that the first and second moving picture encoders can respectively set resolutions as well as picture qualities and rates, separately from each other.

5. A network digital video recorder that receives data, which is obtained by dually compressing an image at different picture qualities and rates, from each of a plurality of network cameras through a network, decompresses data compressed by a first moving picture encoder to display it on a monitor in real time, and stores data compressed by a second moving picture encoder without decompressing it, the network cameras being integrated with a camera module or separated from the camera module.

6. An apparatus configured to:

transmit or receive first compressed video data;

transmit or receive second compressed video data, wherein:

the first compressed video data and the second compressed video data are both compressed from the same source video data;

the first compressed video data and the second compressed video data are compressed at different compression ratios.

7. The apparatus of claim 6, wherein:

the first compressed video data is compressed at a higher compression ratio than the second compressed video data;

the first compressed video data is for recording; and

the second compressed video data is for displaying.

8. The apparatus of claim 6, wherein the apparatus is a camera.

9. The apparatus of claim 8, wherein the camera is a network camera.

10. The apparatus of claim 6, wherein the apparatus is a camera module.

11. The apparatus of claim 10, wherein the camera module is coupled to network.

12. The apparatus of claim 6, wherein the apparatus is a digital video recorder.

13. The apparatus of claim 12, wherein the digital video recorder is a network digital video recorder.

14. The apparatus of claim 6, wherein the first compressed video data and the second compressed video data are transmitted or received over a network.

15. The apparatus of claim 14, wherein the network is an Ethernet network.

16. The apparatus of claim 6, wherein the first compressed video data is compressed at a first encoder and the second compressed video data is compressed at a second encoder.

17. The apparatus of claim 16, wherein at least one of the first encoder and the second encoder are coupled to a camera.

18. The apparatus of claim 17, wherein the camera is an analog camera.

19. The apparatus of claim 16, wherein at least one of the first encoder and the second encoder are coupled to a camera through a decoder.

20. The apparatus of claim 19, wherein the decoder comprises an analog-to-digital converter.

21. The apparatus of claim 16, wherein:
the first encoder is coupled to a camera through a first decoder; and
the second encoder is coupled to the camera through a second decoder.